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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jeffrey A. Kautzer

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TITLE: STATIONARY TOMOGRAPHIC MAMMOGRAPHY SYSTEM

Docket No.: 148128 XT (GEMS 0245 PUS)

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))	
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Date: <u>2-20-06</u>	<u>Chris Merkel</u> Signature <u>Chris Merkel</u>

AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Applicants submit this Amendment in response to the Office Action dated December 12, 2005. This response is timely because it is being filed within the three (3) month time period set for a response. Please enter the following amendments and remarks:

In The Detailed Description of the Preferred Embodiment:

Please amend paragraph [0024] as follows:

[0024] The X-ray detector 20, which includes several detector modules, is typically located opposite the X-ray sources 14 to receive the X-ray fluxes generated therefrom. Each module shares information with other modules corresponding to a number of slices. The stationary target detector 20 may be cooled by direct liquid cooling to enable higher X-ray outputs. This liquid cooling may be controlled by a cooling system 49. In alternate embodiments of the present invention, the system 10 may include a common conditioner 51 for the tube and the detector 20, and there may be multiple coolers (i.e. multiple chillers 56).

Please amend paragraph [0022] as follows:

[0022] The mount 12 holds the support system 11, which may be coupled to a platform 33 that moves either the X-ray sources 14 or alternately the detector 20 in response to signals from the mount motor controller 32, as will be understood by one skilled in the art. The platform is embodied as planar but may also be embodied as hemispherical, cubicle, linear, or irregular in shape. In the present embodiment, the X-ray sources 14 and detector 20 are coupled to the mount 12. The mount 12 may also include a holding area 35 for supporting patient tissue.